INSTRUCTIONS FOR THE OPERATION AND CARE OF THIS HAND JACK

Another **BLACKHAWK®**

IT PAYS TO PROTECT THIS WISE INVESTMENT

You have made a wise investment in the *best* in hydraulic equipment . . . Blackhawk! To help you preserve this investment and to help you get the fullest utility from this jack, these simple instructions and suggestions are presented—it will pay to follow them carefully!

GUARANTEE—Blackhawk guarantees its Hand Jacks and Service Jacks against defects in workmanship and material for 90 days from date of delivery to the user.

When question of warranty arises, send your jack to the nearest Blackhawk Franchised Service Depot for inspection, or to the Blackhawk Service Division, 5054 W. State St., Milwaukee 8, Wis.; transportation to be prepaid and evidence of delivery date furnished.

If the difficulty comes under the terms of our guarantee, we will *repair or replace parts affected* and return prepaid. Our guarantee does not cover ordinary wear and tear, abuse, misuse, overloading, altered products or use of improper fluid.

World's largest manufacturer of Hydraulic Tools

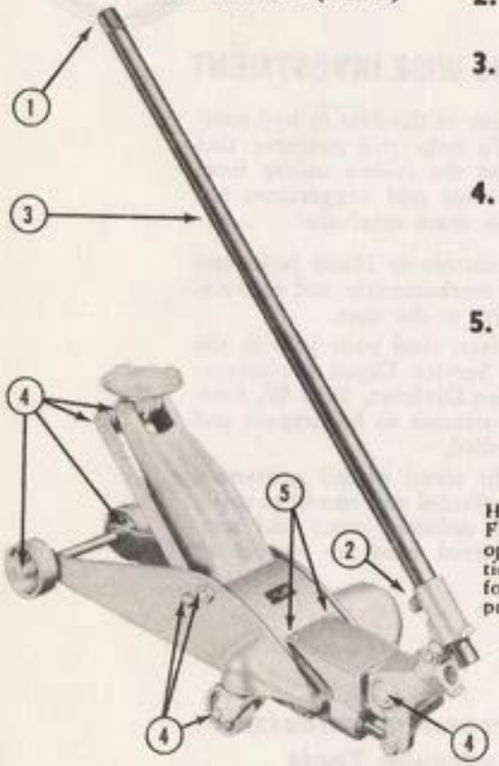
BLACKHAWK MFG. CO.
Milwaukee 46, Wisconsin

SIMPLE INSTRUCTIONS AND SUGGESTIONS TO HELP YOU OPERATE AND MAINTAIN YOUR BLACKHAWK HYDRAULIC JACKS

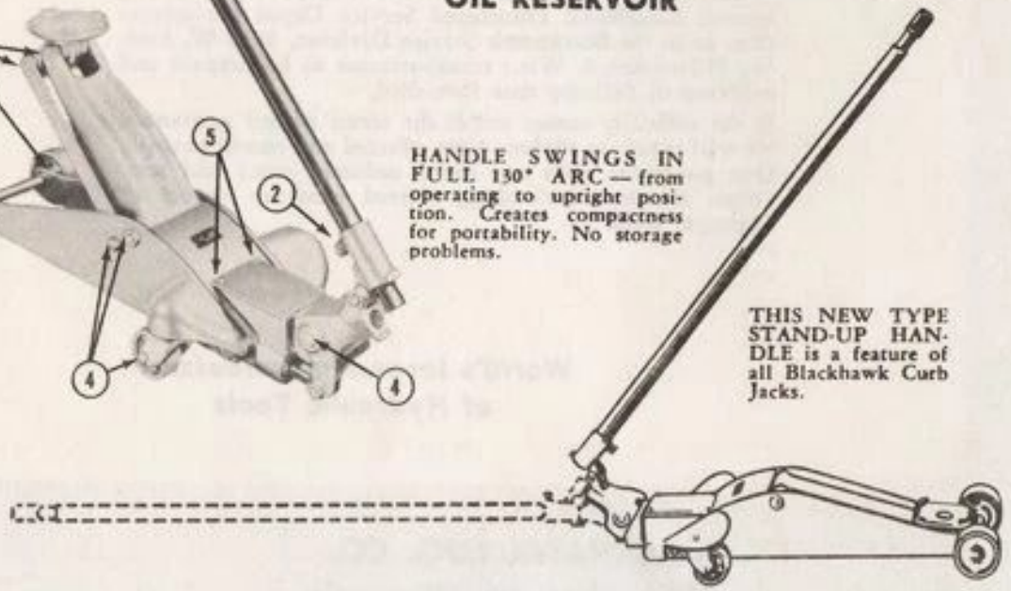
FOR MODELS SJ-17 and SJ-23

THESE FIGURES CORRESPOND TO NUMERALS ON DIAGRAM (LEFT)

1. **RELEASE VALVE CONTROL KNOB**
2. **SET SCREW TO LOCK HANDLE**
3. **STAND UP POSITION OF SAFETY HANDLE**—automatically disengages release valve—prevents lowering.
4. **LUBRICATION POINTS.** Should be thoroughly oiled and greased frequently to insure easy operation and long life.
5. **COVER PLATE AND CAP SCREWS OF OIL RESERVOIR**



HANDLE SWINGS IN FULL 130° ARC — from operating to upright position. Creates compactness for portability. No storage problems.



THIS NEW TYPE STAND-UP HANDLE is a feature of all Blackhawk Curb Jacks.

HOW TO OPERATE JACK

1. **TO RAISE A LOAD**—[Important—before using jack, open release valve by turning release knob to left (counter-clockwise) all the way. Pump handle rapidly about 4 full strokes. This expels air that may have entered the oil channels. Then close release valve (turn clockwise until tight) and operate handle until lifting arm of jack, without load, is raised to full height. Pump several more times to make sure oil is thoroughly distributed through channels. Open release valve and allow saddle to drop to normal position.] Lower handle to horizontal position—push in control knob and turn clockwise until it engages release valve, continue to turn knob clockwise until tight—pump handle.

2. **TO LOWER A LOAD**—Turn release knob (at top of handle) slowly to left . . . speed of lowering is controlled by amount of turn given to release knob.

SAFETY STAND-UP HANDLE

To place handle in stand-up position—pull control knob out and swing handle up. Handle swings in full 130° arc—from operating to upright position. Makes dollying easy and convenient . . . creates compactness for portability. No storage problems.

SIMPLE SERVICE SUGGESTIONS

TO ADD OIL—open release valve until lifting arm is flat. Remove cover plate held by 4 screws. Remove oil if found to be dirty, thick or gummy, clean out inside of reservoir, and refill with Blackhawk Hydraulic Jack Oil within 3/4" of top. Excessive amount of Jack Oil causes failure of jack due to insufficient air space.

WARNING

Always use Blackhawk Hydraulic Jack Oil. In an emergency use a light grade of refrigerator or transformer oil or (except for cold climates) use SAE No. 10-W Motor Oil. Hydraulic brake or shock absorber fluid, alcohol, glycerine, castor oil, etc., will ruin this jack because such fluids corrode valve seats and cylinder walls and dissolve sizing which seals the pores in cup leathers. Use of these fluids waives the guarantee.

TO LUBRICATE

(See illustration on opposite page for location of oil holes and lubrication points). Frequently and thoroughly oil and grease all moving parts as designated on opposite page for continued ease of operation and long jack life.

FOR MAJOR SERVICE or repair, send your jack to the nearest Blackhawk Authorized Repair Service Depot listed on the back page for low cost, first class work.